

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	18	("5160713"   "5516359"   "5562754"   "5565017"   "5820654"   "5852925"   "5888272"   "5964922"   "6010614"   "6077323"   "6106591"   "6114400"   "6117210"   "6139604"   "6139810"   "6149714"   "6296686"   "6309612").PN. OR ("6562104").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/18 08:02
S4	4	oxygen production membrane	US-PGPUB; USPAT	ADJ	ON	2007/10/18 08:13
S5	3265	oxygen SAME production SAME membrane	US-PGPUB; USPAT	ADJ	ON	2007/10/18 08:13
S6	839	oxygen WITH production WITH membrane	US-PGPUB; USPAT	ADJ	ON	2007/10/18 08:12
S8	4	oxygen product\$3 membrane\$1	US-PGPUB; USPAT	ADJ	ON	2007/10/18 08:13
S9	6737	oxygen SAME product \$3 SAME membrane \$1	US-PGPUB; USPAT	ADJ	ON	2007/10/18 08:13
S10	1	"6202574".pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/18 13:21
S11	812	122/4D.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:25
S12	6737	oxygen SAME product \$3 SAME membrane \$1	US-PGPUB; USPAT	ADJ	ON	2007/10/18 14:42
S13	449	S12 and fluidiz\$	US-PGPUB; USPAT	ADJ	ON	2007/10/18 14:41
S14	15528	oxygen WITH membrane\$1	US-PGPUB; USPAT	ADJ	ON	2007/10/18 14:43

S15	736	S14 and fluidiz\$	US-PGPUB; USPAT	ADJ	ON	2007/10/18 14:49
S16	354	S15 and (boiler or furnace)	US-PGPUB; USPAT	ADJ	ON	2007/10/18 14:48
S17	15	S14 and (fluidiz\$ NEAR3 (boiler or furnace))	US-PGPUB; USPAT	ADJ	ON	2007/10/18 14:49
S18	606658	high NEAR4 temperature	US-PGPUB; USPAT	ADJ	ON	2007/10/18 15:01
S19	386	S18 SAME oxygen SAME (production or transport or separation or extraction) SAME membrane	US-PGPUB; USPAT	ADJ	ON	2007/10/18 15:04
S20	1	"5888272".pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/23 15:58
S21	812	122/4D.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:26
S22	17	S21 and fluidiz\$ and (oxygen WITH (membrane or catalyst or ceramic))	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:42
S23	1804	432/58,77-80.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:36
S24	4	S23 and fluidiz\$ and (oxygen WITH (membrane or catalyst or ceramic))	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:38
S25	0	S23 and fluidiz\$ and (oxygen WITH membrane)	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:38
S26	0	S23 and fluidiz\$ and (oxygen Same membrane)	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:38
S27	6	S23 and fluidiz\$ and (oxygen Same (membrane or catalyst or ceramic))	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:41
S28	1085	110/243-245.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:41
S29	19	S28 and fluidiz\$ and (oxygen WITH (membrane or catalyst or ceramic))	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:42
S30	225	S28 and fluidiz\$ and (membrane or catalyst or ceramic)	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:57

S31	176	S28 and fluidiz\$ and (membrane or ceramic)	US-PGPUB; USPAT	ADJ	ON	2007/10/24 10:57
S32	21903	"96"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/24 16:57
S33	534	S32 and fluidiz\$	US-PGPUB; USPAT	ADJ	ON	2007/10/24 17:19
S34	23	S33 and (oxygen with membrane)	US-PGPUB; USPAT	ADJ	ON	2007/10/24 17:17
S35	370	S32 and (fluidiz\$ NEAR3 bed)	US-PGPUB; USPAT	ADJ	ON	2007/10/24 17:23
S36	97	S35 and ion	US-PGPUB; USPAT	ADJ	ON	2007/10/24 17:24
S37	9	(4683840 5123939 5345884 5568776 5954001 6737031 6938780 6779492 6067943).pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/25 09:36
S38	3	(5478370 6505567 6494153).pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/25 09:39
S39	5	(6539719 6562104 6786952 6503296 5447555).pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/25 09:50
S40	130	prasad-ravi.in.	US-PGPUB; USPAT	ADJ	ON	2007/10/25 09:50
S41	95	(US-20040101472-\$ or US-20060011148-\$ or US-20060000425-\$ or US-20030217704-\$ or US-20040065273-\$ or US-20070137478-\$ or US-20070134604-\$ or US-20070125701-\$ or US-20070122667-\$ or US-20070079703-\$ or US-20070041894-\$ or US-20060239874-\$ or US-20060230762-\$ or US-20060180022-\$ or US-20060064985-\$ or US-20050053878-\$ or US-20050037299-\$ or US-20050031531-\$ or US-20050006249-\$ or US-20040123601-	US-PGPUB; USPAT	ADJ	ON	2007/10/25 13:32

\$ or US-  
20050252372-\$ or  
US-20040221722-\$  
or US-20040128975-\$  
or US-  
20040011057-\$ or  
US-20040002030-\$  
or US-20030089229-\$).did. or (US-  
20030056647-\$ or  
US-20020073844-\$  
or US-20020043064-\$  
or US-  
20010030127-\$ or  
US-20060196355-\$  
or US-20020073938-\$  
or US-  
20060115691-\$ or  
US-20050241311-\$  
or US-20050235650-\$  
or US-  
20050061663-\$ or  
US-20040244356-\$  
or US-20050139067-\$).did. or (US-  
6505567-\$ or US-  
5326252-\$ or US-  
5320518-\$ or US-  
5476639-\$ or US-  
5193490-\$ or US-  
5406914-\$ or US-  
5341766-\$ or US-  
5054436-\$ or US-  
5005528-\$ or US-  
5463968-\$ or US-  
5347953-\$ or US-  
4667610-\$ or US-  
4966101-\$ or US-  
6562104-\$ or US-  
5888272-\$ or US-  
5516359-\$ or US-  
6202574-\$ or US-  
6986797-\$ or US-  
6907845-\$ or US-  
6779492-\$ or US-  
7194983-\$ or US-  
6237541-\$ or US-  
6101983-\$ or US-  
6003476-\$ or US-  
6264465-\$ or US-  
5634329-\$).did. or  
(US-4969404-\$ or  
US-6877322-\$ or US-  
6945029-\$ or US-  
7179323-\$ or US-

		7160357-\$ or US- 6702570-\$ or US- 6547286-\$ or US- 6541159-\$ or US- 6368383-\$ or US- 6499300-\$ or US- 6395066-\$ or US- 6360524-\$ or US- 5980840-\$ or US- 5855648-\$ or US- 5657624-\$ or US- 5573737-\$ or US- 6562105-\$ or US- 6382958-\$ or US- 5723074-\$ or US- 5910238-\$ or US- 5174866-\$ or US- 4583996-\$ or US- 4545787-\$ or US- 4758341-\$ or US- 5954001-\$ or US- 5345884-\$ or US- 6539719-\$).did. or (US-6565632-\$ or US-5852925-\$ or US- 5547494-\$ or US- 5535687-\$).did.			
S42	4	S41 and (waste heat boiler)	US-PGPUB; USPAT	ADJ	ON 2007/10/25 13:46
S43	1	"7062912".pn.	US-PGPUB; USPAT	ADJ	ON 2007/10/25 13:36
S44	0	S41 and (waste boiler)	US-PGPUB; USPAT	ADJ	ON 2007/10/25 13:41
S45	11	S41 and (waste WITH boiler)	US-PGPUB; USPAT	ADJ	ON 2007/10/25 13:42
S46	37	S41 and (waste)	US-PGPUB; USPAT	ADJ	ON 2007/10/25 13:43
S47	812	122/4D.ccls.	US-PGPUB; USPAT	ADJ	ON 2007/10/25 13:46
S48	31	S47 and (waste heat boiler)	US-PGPUB; USPAT	ADJ	ON 2007/10/25 13:46
S49	3	(6095095 5809940  5471955).pn.	US-PGPUB; USPAT	ADJ	ON 2007/10/26 12:29
S50	3	(5345896 5332553  5156099).pn.	US-PGPUB; USPAT	ADJ	ON 2007/10/26 12:29
S51	1	"3659559".pn.	US-PGPUB; USPAT	ADJ	ON 2007/10/29 08:59
S52	1	"5239946".pn.	US-PGPUB; USPAT	ADJ	ON 2007/10/29 13:36

S53	22	("3975165"   "4109031"   "4444731"   "4588607"   "5086034"   "5160713"   "5306411"   "5418060").PN. OR ("5573737").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/29 14:53
S54	1	"7179323".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/29 15:24
S55	1	US-7179323-\$ did.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/29 15:25
S56	2	US-7179323-\$ did.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2007/10/29 15:25
S57	1832	oxygen WITH product \$3 WITH membrane \$1	US-PGPUB; USPAT	ADJ	ON	2007/10/30 08:06
S58	21921	"96"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/30 08:06
S59	201	S58 and S57	US-PGPUB; USPAT	ADJ	ON	2007/10/30 08:06
S60	1388	oxygen WITH transport\$3 WITH membrane\$1	US-PGPUB; USPAT	ADJ	ON	2007/10/30 08:40
S61	137	S58 and S60	US-PGPUB; USPAT	ADJ	ON	2007/10/30 08:40
S62	2	(6562104 6505567). pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/30 14:01
S63	13	("3876392"   "4244779"   "4426810"   "4498289"   "4597771"   "4731099"   "4745884"   "5175995"   "5335609"   "5339774"   "5908804"   "6202574").PN. OR ("6505567").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/30 14:16
S64	1832	oxygen WITH product \$3 WITH membrane \$1	US-PGPUB; USPAT	ADJ	ON	2007/10/30 16:02
S65	21921	"96"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/30 16:03
S66	534	S65 and fluidiz\$	US-PGPUB; USPAT	ADJ	ON	2007/10/30 16:03

S67	1805	432/58,77-80.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/30 16:07
S68	90	S67 and fluidiz\$ and (membrane or catalyst or ceramic)	US-PGPUB; USPAT	ADJ	ON	2007/10/30 16:07
S69	7479	oxygen SAME product \$3 SAME membrane \$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/10/30 16:47
S70	456	S69 and fluidiz\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/10/30 16:48
S71	436	S70 and bed	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/10/30 16:48
S72	18	S69 SAME fluidiz\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/10/30 16:50
S73	3793	oxygen SAME transport\$3 SAME membrane\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/10/30 17:13
S74	7	S73 SAME fluidiz\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/10/30 17:13
S75	1	2006-705703.NRAN.	DERWENT	ADJ	ON	2007/10/30 17:24
S76	1	RD-465102-A.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/10/30 17:50
S82	0	WO-2002077419-\$. did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 08:35
S83	1	"6539719".pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 08:36
S84	1	"6562104".pn.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 08:40
S86	3963	mix\$3 SAME conduct \$4 SAME membrane	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 08:48
S87	147	S86 and fluidiz\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 08:48

S88	1360	mix\$3 WITH conduct \$4 WITH membrane	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 08:49
S89	58	S88 and fluidiz\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 08:49
S90	1	US-20060013762-\$. did.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 11:27
S91	2	US-20060013762-\$. did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/31 11:27
S92	1	2006-123891.NRAN.	DERWENT	ADJ	ON	2007/10/31 11:28
S93	1050	432/14-17.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 17:22
S94	329	S93 and fluidiz\$	US-PGPUB; USPAT	ADJ	ON	2007/10/31 17:22
S95	5	S94 and membrane	US-PGPUB; USPAT	ADJ	ON	2007/10/31 17:23
S96	69	S94 and (membrane or catalyst or ceramic)	US-PGPUB; USPAT	ADJ	ON	2007/10/31 17:23
S97	9	US-3304249-\$ DID. OR US-20050036940-\$. DID. OR US- 6730285-\$ DID. OR US-6331283-\$ DID. OR US-5846641-\$. DID. OR US- 20030039601-\$ DID. OR US-20040018144-\$. DID. OR US- 6235417-\$ DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/31 17:54
S98	4	US-5741474-\$ DID. OR US-5861137-\$. DID. OR US- 5938800-\$ DID. OR US-6348278-\$ DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/31 18:01
S99	2	(5326550 6331283). pn.	US-PGPUB; USPAT	ADJ	ON	2007/11/01 10:30
S100	138451	(perm or permeable)	US-PGPUB; USPAT	ADJ	ON	2007/11/01 11:31
S101	8926	S100 NEAR4 select \$5	US-PGPUB; USPAT	ADJ	ON	2007/11/01 11:31

S102	4525	S101 NEAR4 membrane	US-PGPUB; USPAT	ADJ	ON	2007/11/01 11:33
S103	404	S102 and fluidiz\$	US-PGPUB; USPAT	ADJ	ON	2007/11/01 11:34
S104	366	S102 WITH oxygen	US-PGPUB; USPAT	ADJ	ON	2007/11/01 11:35
S105	23	S104 and fluidiz\$	US-PGPUB; USPAT	ADJ	ON	2007/11/01 11:35
S106	138451	(perm or permeable)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:32
S107	8926	S106 NEAR4 select \$5	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:32
S108	4525	S107 NEAR4 membrane	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:32
S109	366	S108 WITH oxygen	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:32

11/6/2007 12:51:02 PM

C:\ Documents and Settings\ajuettner\ My Documents\ EAST\ Workspaces\ 10590357.wsp